

PHYSIOLOGY**PAPER – IV**

Time : 3 hours

PHY/D/17/36/IV

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

- What is basic electrical rhythm? 1+6+3
 - Physiological basis of gastro-intestinal motility
 - Hirschsprung's disease
- Name the phases of menstrual cycle. 1+5+4
 - Hormonal regulation of menstrual cycle
 - Indicators of ovulation
- Phosphorus homeostatic mechanisms. 6+2+2
 - Role of estrogen replacement therapy in Osteoporosis
 - Disuse Osteoporosis.
- Hypoaldosteronism: Types, causes and characteristic features 2+2+6
- Define puberty. 2+4+4
 - Control of onset of puberty
 - Disorders of onset of puberty.
- Define infertility. 2+3+5
 - Classification of female infertility.
 - Assisted Reproductive technology.
- Functions of liver 4+2+4
 - Cause of coma in hepatic encephalopathy
 - Liver function tests
- Radioactive Iodine in thyroid disorders. 4+3+3
 - Wolff-Chaikoff effect
 - Graves' disease
- Compare and contrast: 5+5
 - Pre hepatic and Post hepatic jaundice.
 - True hermaphroditism and Pseudohermaphroditism
- Feto-placental Unit 5+5
 - Role of foetus in maintenance of pregnancy
